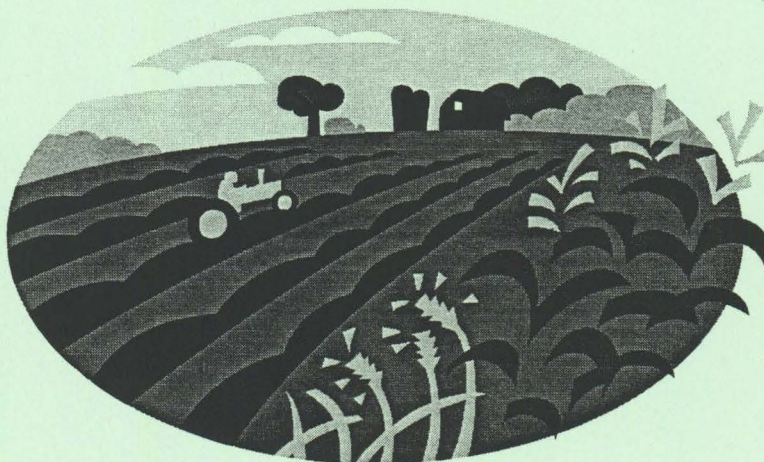


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CELERY CULTIVAR EVALUATIONS - 1995



Richard L. Hassell
Horticulture & Crop Science
OARDC/OSU
Wooster, OH 44691

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TABLE OF CONTENTS

	Page
Main Research Trial	1-4
Main Research Trial (cultivars not harvested)	5
Main Research Trial (second planting)	6
Grower Trial	7

ACKNOWLEDGEMENTS

The 1995 Celery Cultivar Trial was sponsored jointly by the Ohio Vegetable and Small Fruit Research Check-off and Michigan Celery Research, Inc.

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Table 1. **CELERY RESEARCH TRIAL 1995 (Main Trial)**

Cultivar	Source	<u>Fusarium ratings</u> ¹		Untrimmed	Trimmed	Length (in)	Diameter (in)	Comments
		cut	visual	wt/ stalk (lb)	wt/ stalk (lb)			
*89-D-M-92-1-3	Pybas	3.5	4.0	2.76	1.63	11	3.6	Dark green, light. Fusarium, some cracking at first node, a lot of suckers.
72-94	Pybas	2.0	3.0/3.0	3.08	1.88	10	3.3	Medium green, some first node cracking, a lot of internal suckering.
XP85	Pybas	2.5	3.5/4.0	2.74	1.69	11	3.1	Medium green, some first node cracking, spotty fusarium within reps.
Picador	Pybas	3.0	2.0/3.0	2.42	1.44	11	3.3	Light green, internal suckering, damage from fusarium.
59	Pybas	2.0	2.0	2.56	1.54	12	3.5	Medium green, light fusarium pressure. First node cracking.
57	Pybas	3.5	2.5/2.0	2.52	1.55	10	3.5	Medium green, a lot of suckers, fusarium damage.
56-A	Pybas	2.0	2.5/2.5	2.52	1.61	13	3.2	Medium green, some internal suckers, very tall.
3	Pybas	3.5	3.5/3.5	1.98	1.40	10	3.0	Horizontal and vertical cracking, fusarium damage, dark green.
5-94	Pybas	1.0	1.5/2.5	3.04	1.81	14	3.8	Light green, horizontal cracking.
109-M	Pybas	3.75	4.0/4.0	2.08	1.29	10	3.0	Dark green, cracking at first node. Fusarium damage.
109-2	Pybas	1.0	1.5/2.0	2.46	1.51	12	3.8	Medium green, cracking at first node.

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Table 1. **CELERY RESEARCH TRIAL 1995 (Main Trial) (cont.)**

Cultivar	Source	<u>Fusarium ratings</u> ¹		Untrimmed	Trimmed	Length (in)	Diameter (in)	Comments
		cut	visual	wt/ stalk (lb)	wt/ stalk (lb)			
109-1	Pybas	3.5	4.0/4.0	2.57	1.53	9	3.0	Dark green, horizontal and vertical cracking at first node
71-D-2	Pybas	3.5	4.0/4.0	2.77	1.82	11	3.6	Light green, a lot of internal suckering.
71-D-1	Pybas	2.5	3.5/4.0	2.72	1.71	8	3.5	Dark green, some horizontal cracking.
XP-266	Pybas	2.0	3.0/3.5	2.42	1.58	8	2.7	Light green, first node cracking.
XP-166	Pybas	1.0	1.5/1.5	2.96	2.17	11	3.1	Dark green, some cracking at first node, tall.
XP-85	Pybas	3.0	3.5/4.0	2.44	1.55	13	3.4	Dark green, tall, a lot of internal suckering.
65-HDL	Pybas	1.5	1.5/2.0	2.53	2.05	12	3.5	Light green, cracking at first node, internal suckering.
72-94	Pybas	2.5	3.0/3.0	2.64	1.61	11	4.0	Dark green, horizontal cracking.
72-92	Pybas	2.0	2.5/2.5	2.98	1.79	11	4.0	Medium green, a lot of internal suckering.
66	Pybas	1.0	1.5/2.5	2.50	1.53	12	3.1	Dark green, very tall, cracking at first node, some internal suckering.
Rocket	Peto	3.5	3.0	2.61	1.78	10	3.7	Brittle, medium green, a lot of sucker.
PSR 285	Peto	3.5	4.0/2.5	2.60	1.74	10	3.7	Light green, some horizontal and vertical cracking, some suckers.

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Table 1. **CELERY RESEARCH TRIAL 1995 (Main Trial) (cont.)**

Cultivar	Source	<u>Fusarium ratings</u> ¹		Untrimmed	Trimmed	Length (in)	Diameter (in)	Comments
		cut	visual	wt/ stalk (lb)	wt/ stalk (lb)			
PSR 14892	Peto	3.75	4.0/4.0	2.28	1.38	10	2.7	Medium green, first node cracking, fusarium damage.
PSR 253995	Peto	2.5	3.5/4.0	1.88	1.33	9	3.8	Dark green, horizontal and vertical cracking. Short with no size.
PSR 278395	Peto	2.0	4.5/4.5	1.86	1.27	10	2.6	Medium green, some first node cracking, smooth ribbed.
PSR 283295	Peto	2.5	4.5/4.5	2.49	1.61	9	4.0	Medium green, some internal suckering.
PSR 7124	Peto	3.0	3.5/4.0	2.40	1.53	11	3.4	Medium green, vertical cracking, smooth ribbed.
PSR 9240216	Peto	3.5	3.5	2.58	1.80	10	3.5	Dark green, cracking at first node, vertical cracking.
PSR 9240283	Peto	3.75	4.0/4.0	1.76	1.30	7	3.2	Medium green, fusarium damage, very short.
PSR 92402813	Peto	3.75	3.5/4.0	1.98	1.41	7.5	2.6	Dark green, some fusarium damage.
VTR Hyb 1914	VTR	3.0	3.5/3.5	2.59	1.48	11.5	3.1	Dark green, cracking at first node.
VTR Hyb 1916	VTR	3.0	3.0/3.0	2.58	1.56	10	4.0	Dark green, horizontal and vertical cracking, some internal suckers.

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Table 1. **CELERY RESEARCH TRIAL 1995 (Main Trial) (cont.)**

Cultivar	Source	<u>Fusarium ratings</u> ¹		Untrimmed	Trimmed	Length	Diameter	Comments
		cut	visual	wt/ stalk (lb)	wt/ stalk (lb)			
VTR 1901	VTR	2.0	4.0/3.5	2.47	1.62	11	3.0	Dark green, cracking at first node.
VTR 1917	VTR	2.5	3.0/3.0	2.93	1.85	11	3.8	Light green, some internal suckering.
VTR 1744	VTR	3.0	3.0/3.5	2.80	1.69	10	2.7	Medium green, both horizontal and vertical suckering.
*FM164-G (Summer Time)	FM	1.0	2.0/2.0	2.58	1.75	10	3.1	Dark green, both horizontal and vertical cracking.
FM163-J	FM	2.0	3.5/3.5	3.61	2.22	13	4.2	Medium green, a lot of suckers, cracking at first node, tall.
FM163-K	FM	2.0	3.0/3.5	2.68	1.75	11	3.7	Dark green, vertical cracking, tall.

¹Fusarium rating: 1 = none to 5 = dead

A) Cut ratings made by Richard Hassell

B) Visual ratings made by: 1. Jake Wilbrant (Wilbrant Farms)
2. Bill Waycott (Peto Seed)
3. Rob Pybas (Pybas Seed)

Seeded: March 1, 1995

Field Transplanted: May 3, 1995

Harvested: August 1 and 2, 1995

*Seed germination was poor.

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Table 2. **CELERY RESEARCH TRIAL 1995 (MAIN TRIAL) (Cultivars not harvested)**

Cultivar	Source	cut	<u>Fusarium Rating¹</u>	
			visual	
Promise	Pybas		4.5	4.5/4.0
Tall Utah S2-70HK	Pybas		4.0	4.8/4.8
PSR 273495	Peto		4.0	4.0/4.5
PSR 285195	Peto		4.5	4.5/4.5
PSR 285595	Peto		5.0	5.0/5.0
VTR 1918	VTR		4.5	4.5/4.8
VTR 1741	VTR		5.0	4.5/4.8
VTR 1919	VTR		5.0	4.8/5.0
VTR 1945	VTR		5.0	4.5/4.5
Florida 683 K Strain	Pybas		5.0	5.0/5.0

¹Fusarium Rating: 1 = none to 5 = dead

A) Cut ratings made by Richard Hassell

B) Visual ratings made by: 1. Jake Wilbrant (Wilbrant Farms)
2. Bill Waycott (Peto Seed)
3. Rob Pybas (Pybas Seed).

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Table 3. **CELERY RESEARCH TRIAL 1995 (Second planting)**

Cultivar	Source	Fusarium+ Rating	Comments*
FL3-2-5-1B	MSU	3.0	Heavy amount of suckers, not marketable due to fusarium damage. Dark green, uniform, short.
F3-2-4-6B	MSU	4.5	Very short, not marketable due to fusarium damage.
FL3-2-4-8B	MSU	4.5	Not marketable due to fusarium pressure. A lot of escapes.
FL3-4-2-4B	MSU	3.5	Shows magnesium deficiency! A lot of off types, not marketable due to fusarium.
MSU-SHK5	MSU	2.0	Tall - 11.5 inches; medium green, total wt. = 2.78 lb.; trimmed wt. = 1.47 lb.
EXP 465	Pybas	3.0	Short, uniform, heavy fusarium pressure, not marketable.
B-1666 Tango	Bejo	5.0	Not harvested!

+Fusarium Rating : 1 = none to 5 = dead

Seeded: May 5, 1995

Transplanted: June 20, 1995

Harvested: October 3, 1995

*Plot had high amount of spider mite pressure.

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Table 4. **CELERY GROWER TRIAL 1995 (Wiers Farm, Inc.)**

Cultivar	Source	Fusarium ratings ¹	Celery Stalk Size Distribution (%)					Total CR/acre
			18/CR	24/CR	30/CR	36/CR	48/CR	
89-D-92-P-1-5	Pybas	1	12	37	31	12	8	1028
89-D-M-92-1-3	Pybas	1	0	46	22	24	8	735
72-92	Pybas	1	0	42	22	27	9	865
72-94	Pybas	1	0	57	17	18	8	865
Picador	Pybas	2	7	38	27	12	16	871
Picador	Pybas	2	0	40	20	31	9	844
Florida 683K	Pybas	3	0	47	16	19	18	573
P285	Rispen	1	0	53	19	23	5	967
XP85	Rispen	1	0	60	16	16	8	966
A 863	Rispen	1	0	47	15	27	11	877
FM 164-G	Rispen	1	0	48	22	21	9	921
VTR 1901	VTR	1	28	25	21	22	4	1091
VTR 1917	VTR	1	0	61	14	19	6	956
VTR 1744	VTR	1	0	43	14	27	16	866
FM 163-J	FM	1	0	34	21	37	8	753
FM 163-K	FM	1	0	49	24	24	8	934

¹Fusarium rating: 1 = none to 5 = dead

Seeded: March 1, 1995

Transplanted: May 3, 1995

Harvested: July 24, 1995

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Ohio Agricultural Research and Development Center

1680 Madison Avenue
Wooster, OH 44691-4096
216-263-3700